

REMARKS

Claims pending in the instant application are numbered 1-2, 4-8, 10-13, 15-19, 21-26, 28-30. Claims 1-2, 4-8, 10-13, 15-19, 21-26, 28-30 are rejected.

The Applicant respectfully requests reconsideration of the present application in view of the amendments and the following remarks.

35 U.S.C. § 112 Rejections

Claims 1 and 12 are rejected under 35 U.S.C § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, “is one is” is unclear and “the other” lacks antecedent basis.

Claims 1 and 12 have been amended to overcome the instant § 112 rejections. Accordingly, the Applicant respectfully requests the Examiner to withdraw the instant § 112 rejections.

35 U.S.C. § 102 Rejections

Claims 1-2, 4-8, 10-13, 15-19, and 21-22 are rejected under 35 U.S.C. § 102(b) as being anticipated by Baker, U.S. 5,291,614. Claims 1-2, 4-8, 10-13, 15-19, 21-26 and 28-30 are rejected under 35 U.S.C. § 102(e) as being anticipated by Wooten, U.S. 6,272,499. Claims 1-2, 4-8, 10-13, 15-19, 21-26 and 28-30 are rejected under 35 U.S.C. § 102(e) as being anticipated by Leete, U.S. 2003/005182.

Claim 1 as presently amended expressly recites (emphasis added):

“replacing a single queue head with a primary interrupt queue head and a secondary interrupt queue head, the primary and secondary interrupt queue heads to represent an endpoint, the endpoint to represent a transaction between a host and at least one remote device over a serial bus, wherein execution of the endpoint requires more than one frame, each frame comprising a plurality of micro-frames.”

The Applicant submits no new matter has been added; the Examiner’s attention is directed to at least paragraph [0050] of the Applicant’s specification as originally filed.

Baker is directed to a digital signal processor subsystem. Baker discloses that each task and subtask corresponds with a different Task Control Block (TCB) (col. 13, lines 23-24). Tasks (TCBs) are placed in a task queue 358 to await execution (col. 12, lines 42-58). The Examiner asserts that the interrupts of Baker pertain to “endpoints” as claimed by the Applicant (Office Action, page 11). Hence, it appears that the Examiner is asserting that the tasks in queue 358 are representations of the interrupts. However, Baker does not disclose replacing a single task with a primary task and a secondary task. Thus, Baker does not disclose “replacing a single queue head with a primary interrupt queue head and a secondary interrupt queue head,” as claimed by the Applicant.

Wooten is directed to a linking mechanism for processing lists of descriptors.

Wooten discloses an interrupt list 504 which is a list of endpoint descriptors (EDs) 302.

Each ED points to a queue of transfer descriptors 304 for that endpoint. An ED for an interrupt endpoint may appear on multiple interrupt lists (col. 13, lines 4-15; Figure 3).

While the same ED may appear on multiple interrupt lists, Wooten does not disclose that a single ED is replaced by a primary ED and a secondary ED. Thus, Wooten does not disclose “replacing a single queue head with a primary interrupt queue head and a secondary interrupt queue head,” as claimed by the Applicant.

Leete is directed to period promotion avoidance for hubs. On page 13 of the instant Office Action, the Examiner asserts that Leete discloses primary and secondary queue heads in Figure 5 (“Interrupt Queue Heads 530”). However, Leete does not disclose “replacing a single queue head with a primary interrupt queue head and a secondary interrupt queue head,” as claimed by the Applicant.

Thus, Baker, Wooten, and Leete fail to disclose at least one of the expressly recited limitations of claim 1. Accordingly, claim 1 is not anticipated by the cited references. Independent claims 12, 23 and 28 distinguish for at least the same reasons as claim 1. Claims 2, 4-8, 10-11, 13, 15-19, 21-22, 24-26 and 29-30 are dependent claims and distinguish for at least the same reasons as their independent base claims in addition to adding further limitations of their own. Therefore, the Applicant respectfully requests that the instant § 102 rejections be withdrawn.

Conclusion

The Applicant submits that in view of the remarks and amendments set forth herein, all pending claims are in condition for allowance. Therefore, the Applicant respectfully requests the Examiner to issue a Notice of Allowance in this case.

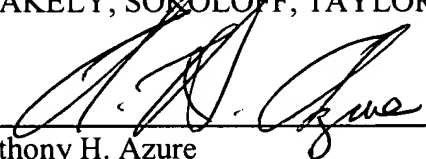
Charge Deposit Account

Please charge our Deposit Account No. 02-2666 for any additional fee(s) that may be due in this matter, and please credit the same deposit account for any overpayment.

Respectfully submitted,

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